D-Link®

2.4 Ghz Wireless LAN

AirPremier™

DWL-1700AP

802.11b Outdoor Access Point

For Broadband Wireless Access

The AirPremier DWL-1700AP is a 2.4GHz IEEE 802.11b compatible wireless Access Point. This device covers a large operating distance to provide 11Mbps wireless LAN and broadband Internet access. The AirPremier DWL-1700AP is designed for harsh outdoor environments. With die-cast watertight housing and a built-in lightning protector, this is a robust outdoor AP.

Ideal for Creating Internet Hotspots

The DWL-1700AP is ideal for Internet Service Providers, store merchants and other small business owners to create networks and provide outdoor users with wireless Internet access. It can also be used in many other outdoor networks such as manufacturing plants, industrial locations, military bases, universities, college and high school campuses, hotels, airports, golf courses and marinas.

Built-in Power Over Ethernet

The DWL-1700AP includes cost-effective Power-over-Ethernet (PoE) for supplying power to the AP when a power outlet is not easily available and it includes the necessary hardware for mounting on a roof top or other exterior locations.

Extensive Security

The DWL-1700AP provides up to 128-bit WEP encryption and supports the IEEE 802.1x port-based network access control with RADIUS servers for user authentication. It has MAC address-based access control and many other features for stronger security.

Wireless Router With Built-in Firewall

The DWL-1700AP is also versatile enough to be configured to perform as a wireless router. With a built-in firewall, the DWL-1700AP can also work as a NAT inbound virtual server and provides Ipbased access control. Denial of Service (DoS) protection is also included to prevent the wireless network from being hacked.

Versatile Management Capability

The DWL-1700AP can be managed with its web-based user interface, Telnet, and RS-232 console configuration. SNMP (MIB I & MIB II) support makes DWL-1700AP a solid solution for enterprise wireless network managers.

Features

- *802.11b DSSS 2.4GHz standard*
- *Up to 11Mbps data transfer rate*
- *Ideal for Internet hotspot creation*
- *Built-in Power Over Ethernet*
- *Data security with standard-based WEP encryption*
- *Enhanced security 802.1x port-based network access control with RADIUS servers for user authentication*
- *Built-in firewall protection*
- *Rugged all-weather outdoor housing*
- *Web-based, Telnet configuration/SNMP management*

DWL-1700AP

Technical Specifications

2.4 Ghz Wireless LAN

Standards
IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

Interfaces
- 10BASE-T/100BASE-TX Fast Ethernet port for WAN to LAN connection
- UART console port

Data Rage & Modulation
- 11Mbps (CCK)
- 5.5Mbps (CCK)
- 2Mbps (DQPSK)
- 1Mbps (DBPSK)

Frequency Range
2.4-2.497MHz ISM band

Receiver Sensitivity
- < -84dBm @11Mbps
- < -90dBm @2Mbps

Transmit Power (including 5dBi antenna)
- 24dBm (250mW) (FCC)
- 20dBm (100mW) (ETSI)

RF Connector
Proprietary N-type (female) (reverse polarity)

Operating Range
- Up to 600 m (1968 feet) (FCC)
- Up to 480 m (1574feet) (ETSI)

Protocol Supported
- TCP/IP
- NAT/NAPT
- Virtual Server (NAT inbound server)
- DHCP client/server
- PPPoE
- Static Routing
- Ethernet Bridging

Security
- 64/128-bit WEP (RC4)
- IEEE 802.1x port-based authentication
- MAC address-based access control
- 802.11b SSID hidden
- Denial Wireless 802.11b "ANY" station
- PPPoE authentication PAP/CHAP

Device Management
- Web-based manager
- Console (RS-232) configuration
- SNMP MIB I & MIB II

Firmware Upgrade
- TFTP (Transparent FTP)
- Xmodem & 1K Xmodem

Physical & Environmental

Lightning Protector Surge Current
20KA

Power Supply (PoE)
- Input: 100 ~ 240V AC 50 ~ 60Hz
- Output: -48V DC 0.7A

Operating Temperature
-20 ~ 70 C (-4 ~ 158 F)

Storage Temperature
-40 ~ 80 C (-40 ~ 176 F)

Humidity (non-condensing)
- 5% to 95% typical
- All-weather enclosure

Dimensions
243 (L) x 200 (W) x 77 (H) mm
(9.57 x 7.87 x 3.03 inches)

Emission
- FCC Part15
- ETSI 300/328

Package Contents
- DWL-1700AP Unit
- Ethernet Inline Power Injector
- 2 Omni antennas
- 30m MIL-C-5015 style Ethernet cable
- 2m uplink RJ-45 Ethernet cable
- 2m MIL-C-5015 style RS232 configuration cable
- User's Manual CD
- Mast mounting bracket with U-bolts
- Wall mounting bracket with screws

ACN 052 202 838

Ordering Information

DWL-1700AP	802.11b Outdoor Access Point
Please specify your order as follows:	
DWL-1700AP/ANA	US standard power adapter, North America frequency
DWL-1700AP/BEU	UK standard power adapter, EU frequency
DWL-1700AP/EEU	EU standard power adapter, EU frequency
DWL-1700AP/NEU	Australia standard power adapter, EU frequency
DWL-1700AP/ENA	EU standard power adapter, North America frequency
DWL-1700AP/CN	China standard power adapter, China frequency

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Canada	TEL: 1-905-8295033	FAX: 1-905-8295095
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
Middle East	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX:90-212-335-2500
Chile	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-737-3389	FAX: 7-095-737-3390
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
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